

# Closing Report

IEEE 802.3 Working Group  
25GBASE-T Call For Interest

David Chalupsky, Intel

San Antonio, Texas

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# Contributors and Supporters

- David Chalupsky, Intel
- George Zimmerman
  - CME, Aquantia, Commscope
- Kamal Dalmia, Aquantia
- Jonathan King, Finisar
- Tom Souvignier, Broadcom
- Kent Lusted, Intel
- John D'Ambrosia, Dell
- Theo Brillhart, Fluke Networks
- Derek Cassidy, BT
- Bob Wagner, Panduit
- Chris DiMinico,
  - MC Communications, Panduit
- Valerie Maguire, Siemon
- Vineet Salunke, Cisco
- Rich Mellitz, Intel
- Ron Nordin, Panduit
- Peter Jones, Cisco
- Thuyen Dinh, Pulse
- Steve Carlson,
  - High Speed Design
- Yong Kim, Broadcom
- Martin Rossbach, Nexans
- Alan Flatman,
  - LAN Technologies
- Paul Vanderlaan, Nexans
- Andrew Jimenez, Anixter
- Yakov Belopolsky
  - Bel Stewart Connector
- Chris Cole, Finisar
- Matt Brown, APM
- Victor Renteria
  - Bel Stewart Connector
- Richard Mei, Commscope
- Wayne Larsen, Commscope
- German Feyh, Broadcom
- Rich Hernandez, Dell
- Shadi AbuGhazaleh, Hubbell
- Brett McClellan, Marvell
- Jeff Poulsen, Leviton
- Paul Langner, Aquantia
- William Lo, Marvell
- Anna An, FIT
- David Ofelt, Juniper
- Jerry Chiang, FIT
- Peter Wu, Marvell
- Scott Kipp, Brocade
- Amrik Bains, Cisco
- Mark Nowell, Cisco
- Ghani Abbas, Ericsson
- Jon Lewis, Dell
- Pete Cibula, Intel
- Allen SJ Wang, Lenovo
- Brad Booth, Microsoft

# Value Proposition Summary

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Compared to adjacent markets such as Cloud or High Performance Computing...

- The Enterprise Server market (~75% of server units shipping this year) is moving at a measured pace through the Ethernet port speeds
  - Largely multiple ports of 1000BASE-T today, in transition to 10G, >10G in a few years
- This market values ease of use, ease of migration, mixed environments, mixed topologies over getting to the highest speed
- BASE-T Ethernet serves this market well
- Standardizing 25GBASE-T can provide a roadmap from 1G->10G->25G->40G for this market

# Consensus

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- CFI Consensus-building presentation held Tuesday, November 4, 2014
  - (results next page)
- 25GBASE-T discussion held in P802.3bq TF during September 2014 interim meeting
  - Straw poll indicates unanimous support of task force to bring 25GBASE-T into P802.3bq

# CFI Straw Poll Results

November 4, 2014

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- Should a study group be formed for 25GBASE-T?
- Y: **60**      N: **1**      A: **8**
- Room count:82
  
- I would participate in a 25GBASE-T study group in IEEE 802.3
  - Tally: 37
  
- My company would support participation in a 25GBASE-T study group
  - Tally:25

# WG Motion

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- Request that the IEEE 802.3 WG form a study group to develop PAR and CSD modifications to P802.bq to add 25GBASE-T to that project.
- Moved: David Chalupsky  
Seconded: George Zimmerman  
Procedural (> 50%)

Yes: \_\_\_\_\_ No: \_\_\_\_\_ Abstain: \_\_\_\_\_

# Announcements

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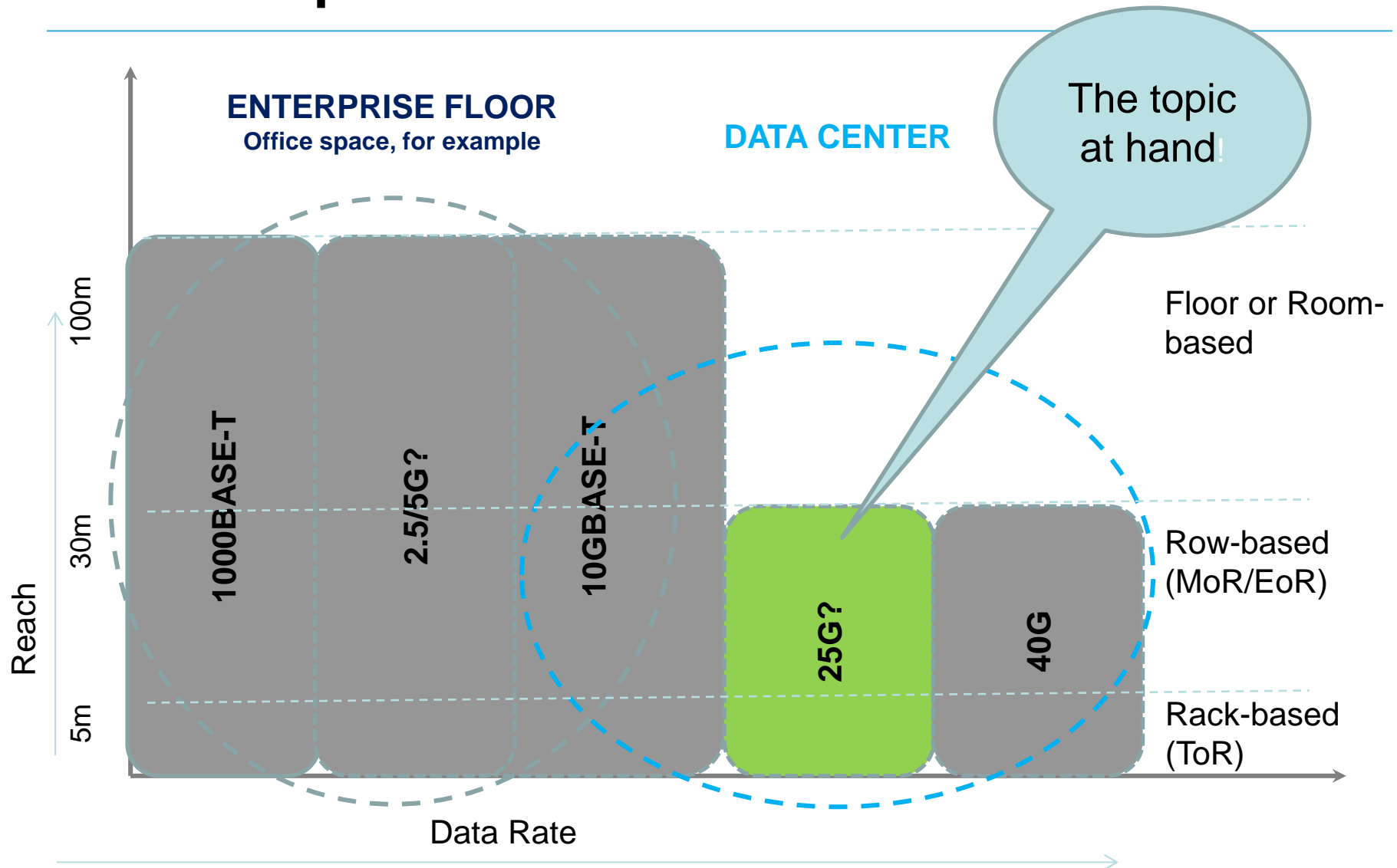
- If the motion to form a study group is approved:
  - First study group meeting would be during January 2015 IEEE 802.3 interim meeting in Atlanta (week of Jan 12<sup>th</sup>, 2015).
  - The study group web page and e-mail reflector will be created and announced.
  - Intention to form ad hoc to hold conference calls ahead of January Interim meeting. Will be posted on SG web page and announced on the reflector.
- Thank you again to the presenters, expert panelist, and supporters.

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# Thank You!



# The Spaces of BASE-T



# Call For Interest

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The rapid progress of the 25 Gb/s Ethernet Study Group highlighted the broad market potential for 25 Gb/s Ethernet switch-to-server interconnect in a range of data center wiring architectures including within-rack, adjacent rack, middle-of-row, and end-of-row switching topologies. At the 10 Gb/s rate, the use of BASE-T for these applications is growing as an augment to fiber and direct-attach twinax copper. The IEEE P802.3bq 40GBASE-T Task Force has been addressing switch-to-server interconnect for these topologies at a 40 Gb/s rate. At this time, there is no path for data centers to utilize cost-effective and backwards compatible BASE-T technology for 25 Gb/s Ethernet. This Call For Interest is a request for the formation of a study group to explore 25 Gb/s BASE-T Ethernet and potentially extending the work of the IEEE P802.3bq Task Force to include it.